

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2004/002722

A. CLASSIFICATION OF SUBJECT MATTER IPC ⁷ : H01L 33/00, H01L 25/075 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC ⁷ : H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched ---- Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Epodoc, WPI, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1160883 A2 (MATSUSHITA) 5 December 2001 (05.12.2001) <i>abstract, paragraphs 0010-0015, 0038-0042.</i>	1-5, 7, 8, 11, 15, 16-19
Y	<i>abstract, paragraphs 0010-0015, 0038-0042</i> --	6, 9, 10, 12-14
Y	WO 2001/041215 A1 (PHILIPS) 7 June 2001 (07.06.2001) <i>page 3, line 17 - page 5, line 19, figures 1a-4.</i> --	6, 9, 10, 12-14
A	US 20030227023 A1 (CHANG) 11 December 2003 (11.12.2003) <i>the whole document.</i> ---	1-19
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 19 May 2005 (19.05.2005)		Date of mailing of the international search report 31 May 2005 (31.05.2005)
Name and mailing address of the ISA/ AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535		Authorized officer HARASEK S. Telephone No. +43 / 1 / 534 24 / 574

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Information on patent family members

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Patent document cited in search report			Publication date	Patent family member(s)			Publication date
EP	A2	1160883	2001-12-05	TW	B	594828	2004-06-21
				JP	A	2004080046	2004-03-11
				CN	A	1326230	2001-12-12
				US	A1	2002070681	2002-06-13
				JP	A	2002057376	2002-02-22
US	A	20030227		none			
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WO	A	20010412		none			
		15					

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